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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/048,167	04/18/2002	Etienne Lebas	612.41094 X00	4377
20457	7590	05/25/2004		
ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-9889			EXAMINER LANGEL, WAYNE A	
			ART UNIT	PAPER NUMBER
			1754	
DATE MAILED: 05/25/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.



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SERIAL NUMBER	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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10048167

EXAMINER

ART UNIT

PAPER NUMBER

DATE MAILED:

This is a communication from the examiner in charge of your application.
COMMISSIONER OF PATENTS AND TRADEMARKS

☐ This application has been examined ☒ Responsive to communication filed on 4-23-04 ☒ This action is made final.

A shortened statutory period for response to this action is set to expire 3 month(s), _____ days from the date of this letter.
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited by Examiner, PTO-892. | 2. <input type="checkbox"/> Notice of Draftsman's Patent Drawing Review, PTO-948. |
| 3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449. | 4. <input type="checkbox"/> Notice of Informal Patent Application, PTO-152. |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474. | 6. <input type="checkbox"/> _____ |

Part II SUMMARY OF ACTION

1. ☒ Claims 1-19 are pending in the application.

Of the above, claims _____ are withdrawn from consideration.

2. ☐ Claims _____ have been cancelled.

3. ☐ Claims _____ are allowed.

4. ☒ Claims 1-19 are rejected.

5. ☐ Claims _____ are objected to.

6. ☐ Claims _____ are subject to restriction or election requirement.

7. ☐ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.

8. ☐ Formal drawings are required in response to this Office action.

9. ☐ The corrected or substitute drawings have been received on _____. Under 37 C.F.R. 1.84 these drawings
are ☐ acceptable; ☐ not acceptable (see explanation or Notice of Draftsman's Patent Drawing Review, PTO-948).

10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on _____, has (have) been ☐ approved by the
examiner; ☐ disapproved by the examiner (see explanation).

11. ☐ The proposed drawing correction, filed _____, has been ☐ approved; ☐ disapproved (see explanation).

12. ☐ Acknowledgement is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☐ been received ☐ not been received
☐ been filed in parent application, serial no. _____; filed on _____.

13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in
accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.

14. ☐ Other

EXAMINER'S ACTION

Art Unit 1754

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 14, 15, 18 and 19 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Martin et al., for the reasons given in the last Office action. Applicant's argument, that thermal generator 50 of Martin et al. situated at the outlet of dust separator 1 does not carry out partial combustion of regeneration gas, is not convincing, since claims 14, 15, 18 and 19 are apparatus claims and do not require the partial combustion of the regeneration

gas. Furnace 50 of Martin et al. would constitute "means for partial combustion of the regeneration gas", notwithstanding the fact that it is not used for such purpose. In any event, Martin et al. teach at column 6, lines 27-30 that the used absorbent is preheated by contacting it with hot carrier gases coming from thermal generator 50, and further disclose at column 7, lines 45-47 that the regeneration gas comprises a hydrocarbon. It would be prima facie obvious from such disclosures of Martin et al. to partially combust the regeneration gas in the process, since it is well-known that hydrocarbons are suitable fuels for combustion.

Claims 1-4, 6, 7 and 13 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Martin et al. Applicant's argument, that thermal generator 50 of Martin et al. does not carry out partial combustion of regeneration gas, is not convincing. Martin et al. teach at column 6, lines 27-30 that the used absorbent is heated by contacting it with hot fumes or hot carrier gases coming from the thermal generator 50, and further disclose at column 7, lines 45-47 that the regeneration gas may be a hydrocarbon. It would be prima facie obvious from such disclosures of Martin et al. to partially combust the regeneration gas in thermal generator 50, since one of ordinary skill in the art would recognize that a hydrocarbon would be a

Art Unit 1754

suitable fuel for generating hot fumes in burner 52 of furnace 50.

Claims 5, 8, 9, 16 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Martin et al. as applied to claims 1-4, 6, 7, 13-15, 18 and 19 above, and further in view of Canadian 1,136,384, for the reasons given in the last Office action. Applicant's argument, that the Canadian patent clearly does not disclose and would not have suggested carrying out partial combustion of the regeneration gas upstream from the regeneration and mixing the products of the partial combustion with the used absorbent prior to the regeneration-filtration stage, is not convincing, since Canadian '384 is relied upon merely to show the limitations recited in claims 5, 8, 9, 16 and 17.

Claims 10-12 are objected to as based on a rejected parent claim, and would be allowed if written in independent form.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 C.F.R. § 1.136(a).

A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE DATE OF THIS ACTION. IN THE EVENT A FIRST RESPONSE IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION

Art Unit 1754

IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY PERIOD WILL EXPIRE ON THE DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION FEE PURSUANT TO 37 C.F.R. § 1.136(a) WILL BE CALCULATED FROM THE MAILING DATE OF THE ADVISORY ACTION. IN NO EVENT WILL THE STATUTORY PERIOD FOR RESPONSE EXPIRE LATER THAN SIX MONTHS FROM THE DATE OF THIS FINAL ACTION.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wayne A. Langel whose telephone number is (571) 272-1353. The examiner can normally be reached on Monday through Friday from 8 A.M. to 3:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman, can be reached on (571) 272-1358. The fax phone number for this Group is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either private PAIR or public PAIR. Status information for unpublished applications is available through private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on

Serial No. 10/048,167

-6-

Art Unit 1754

access to the private PAIR system, contact the Electronic
Business Center (EBC) at 866-217-9197 (toll-free).

WAL:cdc

May 21, 2004

Wayne A. Langel
WAYNE A. LANGEL
PRIMARY EXAMINER